Please add the enclosed figure to the specification, designated Fig. 11.

IN THE CLAIMS

Please amend the claims as follows:

18. (Amended) A method of modifying the fatty acid composition of a plant host cell from a given weight percentage [(by weight)] of saturated fatty acids to a different weight percentage [(by weight)] of saturated fatty acids comprising

growing a host plant cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a fatty acid modifying [portion of a] plant desaturase under the control of regulatory elements functional in said plant cell during lipid accumulation under conditions which will promote the activity of said regulatory elements.

In Claim 21, line 2, after "seed", insert --cells--.

33. (Amended) A method of modifying the fatty acid composition of oil triglycerides in an oil-producing plant host cell from a given weight percentage [(by weight)] of [staturated] saturated fatty acids to a different weight percentage [(by weight)] of [staturated] saturated fatty acids comprising

growing a host plant cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a fatty acid modifying [portion of a] plant desaturase under the control of regulatory elements functional in said plant cell during lipid accumulation under conditions which will promote the activity of said regulatory elements.

In Claim 36, line 2, after "seed", insert --cells--.

Please add the following claims:

--68. A method of modifying the fatty acid composition of a plant host cell from a given weight percentage of saturated fatty acids to a different weight percentage of saturated fatty acids comprising

growing a host plant cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a plant stearoyl-ACP desaturase under the control of regulatory elements functional in said plant cell during lipid accumulation under conditions which will promote the activity of said regulatory elements.

69. The method of Claim 68 wherein said plant host cell is a *Brassica* cell.

70. The method of Claim 69 wherein said construct encodes a *Brassica* stearoyl-ACP desaturase in an antisense orientation with respect to said regulatory elements.

71. The method of Claim 68 wherein said host cell is from an oil producing plant.

72. The method of Claim 71 wherein said modification to said fatty acid composition alters the fatty acid components of triglycerides in said oil producing plant.

73. A method of modifying the fatty acid composition of a plant host cell from a given weight percentage of saturated fatty acids to a different weight percentage of saturated fatty acids comprising

growing a host plant cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a plant desaturase under the control of regulatory elements functional in said plant cell during lipid accumulation under conditions which will promote the expression of said desaturase, wherein at least one of said fatty acid modifying plant desaturase and said regulatory elements is heterologous to said plant host cell.

74. A method of modifying the fatty acid composition of a plant host cell from a given weight percentage of saturated fatty acids to a different weight percentage of saturated fatty acids comprising

growing a plant host cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a fatty acid modifying plant desaturase homologous to said plant host cell under the

control of, and in an antisense orientation with respect to, regulatory elements functional in said plant cell during lipid accumulation under conditions which will promote the activity of said regulatory elements.

75. A method of modifying the fatty acid composition of a *Brassica* cell from a given weight percentage of saturated fatty acids to a different weight percentage of saturated fatty acids comprising

growing a *Brassica* cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a *Brassica* stearoyl-ACP desaturase under the control of, and in an antisense orientation with respect to, regulatory elements preferentially functional in plant seed under conditions which will promote the activity of said regulatory elements.

76. A method of modifying the fatty acid composition of oil triglycerides in an oil producing plant host cell from a given weight percentage of saturated fatty acids to a different weight percentage of saturated fatty acids comprising

growing a host plant cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a plant stearoyl-ACP desaturase under the control of regulatory elements functional in said plant cell during lipid accumulation under

conditions which will promote the activity of said regulatory elements.

77. The method of Claim 76 wherein said plant host cell is a *Brassica* cell.

78. The method of Claim 77 wherein said construct encodes a *Brassica* stearoyl-ACP desaturase in an antisense orientation with respect to said regulatory elements.

79. The method of Claim 76 wherein said host cell is from an oil producing plant.

80. A method of modifying the fatty acid composition of oil triglycerides in an oil producing plant host cell from a given weight percentage of saturated fatty acids to a different weight percentage of saturated fatty acids comprising

growing a host plant cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a plant desaturase under the control of regulatory elements functional in said plant cell during lipid accumulation under conditions which will promote the expression of said desaturase, wherein at least one of said fatty acid modifying plant desaturase and said regulatory elements is heterologous to said plant host cell.

81. A method of modifying the fatty acid composition of oil triglycerides in an oil producing plant host cell from a

given weight percentage of saturated fatty acids to a different weight percentage of saturated fatty acids comprising

growing a plant host cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a fatty acid modifying plant desaturase homologous to said plant host cell under the control of, and in an antisense orientation with respect to, regulatory elements functional in said plant cell during lipid accumulation under conditions which will promote the activity of said regulatory elements.

82. A method of modifying the fatty acid composition of oil triglycerides in a *Brassica* cell from a given weight percentage of saturated fatty acids to a different weight percentage of saturated fatty acids comprising

growing a *Brassica* cell having a recombinant DNA construct integrated into the genome of said cell or a parent cell thereof, said construct encoding a *Brassica* stearoyl-ACP desaturase under the control of, and in an antisense orientation with respect to, regulatory elements preferentially functional in plant seed under conditions which will promote the activity of said regulatory elements.--

Please cancel Claims 1-17, 27-32, 37 and 42-67.